

**Job Title:** Infrastructure Manager/System Engineer - Cloud Computing, IT

**Reports to:** General Manager, IT

**No. of positions:** One

**Venue of work:** Ashoka University Campus, Rajiv Gandhi Education City, Rai (District – Sonipat)

**Days of work:** This is a full-time role, Monday - Friday

### About Ashoka University:

10 years ago, we embarked on a journey to establish a world-class, multi-disciplinary, liberal arts and sciences university in India. Built on the finest global best practices of institution and university governance, Ashoka has truly transformed Indian higher education in India with its unique pedagogy, governance, and best practices.

Ashoka is today India's #1 liberal arts and sciences university that is home to the most diverse student body, a hub for impactful research, and a magnet for best-in-class faculty and staff.

Ashoka has been ranked in the top five among private Universities in India by QS Asia and has also secured top rank among all Indian Universities in the 'International Faculty' indicator. The University was earlier awarded Diamond rating by QS I.GAUGE as a recognition of its continuous focus on academic rigor, inter-disciplinary pedagogy, world-class faculty, academic research, innovative modules of engagement with the community and teaching methods. For further information, visit [www.ashoka.edu.in](http://www.ashoka.edu.in).

We aim to co-create a nurturing space for our students, faculty, staff, donors and community positively through universal values:

- **Being mission-driven and authentic**
- **Thinking strategically and creatively**
- **Collaborating with trust and respect**
- **Being accountable and driving for results**
- **Focused on service excellence**

### Role and Responsibilities:

Ashoka University plans to set up an internal cloud infrastructure that can support up to a hundred virtual machines (a mix of Linux and Windows servers) of varying sizes. There will be 10 dual-CPU blade servers with 128GB RAM in each and 50TB of usable NAS storage. The position will help in setting up and maintaining the internal cloud infrastructure for Ashoka University. The resource will work with the computer science department for configuring and maintaining the computing environment comprising Blade servers, NAS, switches, backup, and workflow for the private cloud environment. This role provides Linux based execution/operational support for internal cloud systems to all internal stakeholders and envisioning enhancements in the existing systems.

The role comes with the following responsibilities:

- Design, implementation and advanced support of virtual infrastructure. Maximize infrastructure capacities through proactive review and planning to ensure current and future requirements on KVM, Xen platform.
- Research infrastructure solutions to identify and improve existing processes and enhance overall productivity.
- Installation, configuration management and monitoring of cloud services for Open source-based cloud solutions. Management and monitoring of high availability solutions like clustering, load balancing of servers, server virtualization.
- Help develop policies and procedures related to open source-based cloud Infrastructure.
- Installation, configuration and maintenance of applications in Linux environments like DNS, LDAP, DHCP, RADIUS, OpenVPN, Apache, Postfix, samba, and tomcat. Creating Bash/Perl/Python scripts to automate system and network services related functions.

### Eligibility:

- Diploma/Bachelor's Degree in IT/CS from a recognized institution.
- Minimum 7-8 years of experience in the functional domain.

### Skill Sets Required:

- Understanding of software programs and the latest practices in the industry
- Experience building scalable, highly available, mission critical virtual infrastructures.
- Installed and Configured multiple virtualization technologies like KVM, Xen, VMware.
- The cloud orchestration and virtualization.
- Must have technical expertise in following technologies:
  - Python, Perl, Bash, Java, C/C++,
  - VMware, Xen, KVM, Libvirt, QEMU, KVM, Docker, Ganeti
  - Apache, NGINX, Tomcat,
  - MySQL, Oracle, SQLite, PostgreSQL
  - Postfix, Squid, OpenVPN, Free radius, Open Ldap, Kerberos, Bind
  - Ubuntu, CentOS and Windows.

### Application Submission Process

Please submit an updated CV at [connect.hr@ashoka.edu.in](mailto:connect.hr@ashoka.edu.in), with the subject line – <Job Name\_Applicant Name>.

Kindly ensure that the application includes the last compensation received, expected salary, and notice period.

Only shortlisted candidates will be contacted.

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**Ashoka is an equal opportunities employer.** Remuneration will be competitive with Indian non- profit pay scales and will depend upon the candidate's experience levels and the overall organization's salary structure.